

## AMENDMENTS

Please cancel the amendments requested in the Preliminary Amendment mailed April 28, 2000.

Please amend this application as follows.

### In the Specification

Page 1, line 10, to Page 2, line 5 replace "It is known to use.....  
5,6100,202. The" by

A1  
-- It is known to use polymers containing functional groups to thicken oil-containing compositions. Reference may be made for example to U.S. Patent Nos. 3,355,394, 4,057,622, 4,057,623, 4,057,624, 4,720,303, 4,737,541, 4,794,139, 4,839,166, 4,939,179, 4,971,722, 5,053,057, 5,086,142, 5,112,601, 5,192,462, 5,247,121, 5,256,737, 5,270,379, 5,318,995, 5,319,055, 5,415,790, 5,422,233, 5, 442,054, 5,516,544, 5,519,063, 5,530,045, 5,610,002 and 5,736,125. The --

[ Page 2, line 11, and to Page 3, line 13 replace "compositions can be thickened..... caprolactone." By ]

A2  
-- compositions can be thickened with crystalline polymers which contain long chain alkyl groups in side chains but which are substantially free of functional groups. The thickened oil compositions of the invention comprise

- (1) an oil, and
- (2) dispersed in the oil, a polymer which
  - (a) has a crystalline melting point,  $T_p$ , and an onset of melting temperature,  $T_o$ , such that  $T_p - T_o$  is less than  $T_p^{0.7}$ ;
  - (b) is soluble in the oil at temperatures above  $T_p$ ,

A2  
cont.

- (c) has been dispersed in the oil by a process which comprises (i) dissolving the polymer in the oil at a temperature above  $T_p$ , and (ii) cooling the solution to crystallize the polymer in the oil, and
- (d) is a side chain crystalline (SCC) polymer which is substantially free of functional groups;

the composition being at a temperature below  $T_p$ . --

Page 3, line 22, to Page 4, line 18 delete "I believe that this advantage..... derived from methacrylic acid"

Page 4, line 25 replace "DSC calorimeter (at" by -- differential scanning calorimeter (DSC), at --

Page 4, line 26 replace "cycle)." by -- cycle.  $T_o$  and  $T_p$  are measured in the conventional way well known to those skilled in the art. Thus  $T_p$  is the temperature at the peak of the DSC curve, and  $T_o$  is the temperature at the intersection of the baseline of the DSC peak and the onset line, the onset line being defined as the tangent to the steepest part of the DSC curve below  $T_p$ .

A3

Page 4, line 30 replace "Examples" by --Example --

Page 4, line 33 replace "Examples" by --Example --

Page 5, line 1 replace "where" by -- were --

Page 5, line 15 before "polymers" insert -- SCC --

Page 5, line 20-21 delete "Preferably at least..... crystallizable (SCC) polymer."

Page 5, line 25, to Page 6, line 2 delete the "The preferred SCC polymers..... For example polytetrahydrofuran."

Page 6, line 4 before "polymer" insert --SCC --

Page 6, line 7 replace " $^{\circ}\text{C}.$ " by --  $^{\circ}\text{C}.$  --

Page 6, line 8 replace " $^{\circ}\text{C}.$ " by --  $^{\circ}\text{C}.$ , --

Page 6, line 9 replace " $^{\circ}\text{C}.$ " by --  $^{\circ}\text{C}.$  --

Page 6, line 13 replace "5752926,5,807,291" by -- 5,752,925, 5,807,291 --

Page 6, line 19 delete "and publications"

Page 6, line 22 delete "preferably"

Page 6, line 26

after "1,000,000." Insert - In one preferred embodiment, the SCC polymer consists essentially of units derived from least one n-alkyl acrylate or methacrylate in which the n-alkyl group contains 12 to 50, preferably 16 to 50, carbon atoms. In another preferred embodiment, the SCC polymer consists essentially of units derived from

A4  
SUB  
C17

- (a) at least one n-alkyl acrylate or methacrylate in which the n-alkyl group contains 12 to 50, preferably 16 to 50, carbon atoms, and
- (b) at least one alkyl acrylate or methacrylate in which the alkyl group is not an n-alkyl group containing 12 to 50 carbon atoms.

Page 7, line 3, to Page 8, line 5 delete "Generally the polymers .....tris(trimethyl siloxy) silane."

Page 8, line's 18-21 delete "When the SCC polymer..... dissolving the oil."

Page 8, lines 30-31 replace "10-40 °C., particularly 10-30 °C., especially about 20 °C., above" by 10-40 °C. above, particularly 10-30 °C. above, especially about 20 °C. above,

Page 10, lines 6-7 delete "Compositions containing..... hair care compositions."

Page 10, lines 9-10 replace "Examples, some of which are comparative examples." by -- Example. --

Page 10, line 12 replace "Examples" by -- Example --

Page 10, lines 14-15 replace "Polymers and copolymers..... generalized method." By

A6  
-- A homopolymer of C18A was prepared using the following ingredients, C18A (100 part), mercaptoethanol (0.17 part), t-amylperoxy 2-ethyl hexanoate (1.73 part, sold by Witco as Esperox 570P, 75% active in liquid), and t-butyl peroxybenzoate (0.5 part, sold by Witco as Esperox 10). --

Page 10, lines 24-32 replace "removal volatile residuals..... opaque in appearance" by